

Converting Colors

XYZ(78.7691, 84.7051, 78.4611)

Have a look what the booklet for
XYZ(78.7691, 84.7051, 78.4611)
contains.

XYZ(78.8260, 84.5617, 78.4971)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.8260, 84.5617,
78.4971)**

Conversions

Conversions Part 1

Format	Color
Hex	EFEEDA
RGB	239, 238, 218
RGB Percent	94%, 93%, 85%
CMY	0.0627, 0.0666, 0.1451
CMYK	0.00, 0.00, 0.09, 0.06
HSL	57°, 40%, 90%
HSV	57°, 9%, 94%
XYZ	78.8260, 84.5617, 78.4971
YIQ	236.0190, 7.0160, -6.0080

Conversions

Conversions Part 2

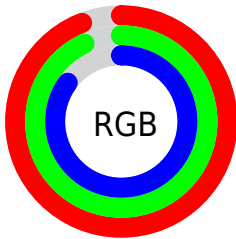
Format	Color
R _Y B	219, 239, 218
Decimal	15724250
CIE Lab	93.69, -3.05, 9.79
CIE LCh	94, 10.259, 107.318
Yxy	84.5617, 0.3259, 0.3496
Android (android.graphics.Color)	4293914330 (0xFFEFEEDA)
YUV	236.0190, -8.8834, 2.6143
Hunter-Lab	91.9574, -7.9151, 13.7588

Details

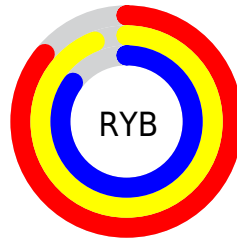
The XYZ color **78.8260, 84.5617, 78.4971** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **69.8249, 71.7993, 91.8407**, and the grayscale version is **79.8074, 83.9636, 91.4364**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8672, 46.1675, 41.3022** is the 20% darker color. If you saturate the color by 10%, you get **75.5934, 82.7453, 63.0861**, and if you desaturate by 10%, it is **82.5164, 86.5700, 96.2877**.

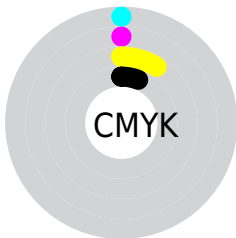
Distribution



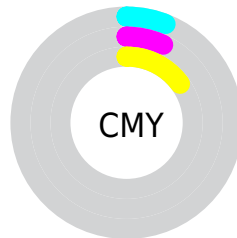
- Red (94%)
- Green (93%)
- Blue (85%)



- Red (86%)
- Yellow (94%)
- Blue (85%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8260, 84.5617, 78.4971 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.8260, 84.5617, 78.4971 by changing the saturation by 10% instead.

78.8260, 84.5617,
78.4971

78.8260, 84.5617,
78.4971

479.7645,
510.1766, 509.4260

59.0579, 63.4793,
57.9635

130.6731,
139.7606, 133.0429

42.9063, 46.2291,
41.3648

163.4828,
174.6460, 167.8922

30.0058, 32.4266,
28.2824

201.3704,
214.9010, 208.3505

19.9911, 21.6876,
18.2978

244.7013,
260.9103, 254.8364

12.4968, 13.6275,
10.9923

293.8408,
313.0581, 307.7683

7.1576, 7.8621,
5.9476

349.1542,

3.6080, 4.0068,

371.7288, 367.5648

2.7450

411.0070,
437.3068, 434.6446

■ 1.4829, 1.6774,
0.9659

■ 0.3141, 0.4089,
0.0000

■ 78.8260, 84.5617,
78.4971

■ 78.8260, 84.5617,
78.4971

■ 75.5934, 82.7453,
63.0861

■ 82.5164, 86.5700,
96.2877

■ 72.7924, 81.1022,
49.9480

■ 84.8870, 88.0510,
107.1293

■ 70.4048, 79.6276,
38.9762

■ 85.2221, 88.7211,
107.2409

■ 68.4082, 78.3128,
30.0534

■ 85.5592, 89.3954,
107.3533

66.7782, 77.1480,
23.0512

85.8985, 90.0739,
107.4664

65.4877, 76.1222,
17.8267

86.2398, 90.7565,
107.5802

64.5059, 75.2232,
14.2172

86.5832, 91.4433,
107.6946

63.7961, 74.4362,
12.0301

86.9287, 92.1344,
107.8098

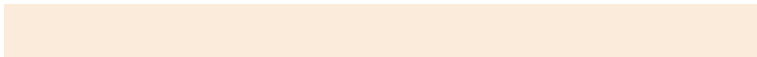
63.3041, 73.7397,
10.9800

87.2763, 92.8296,
107.9257

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5274, 84.5617, 78.2154



78.8260, 84.5617, 78.4971



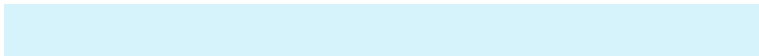
76.5883, 84.5617, 82.2846

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8260, 84.5617, 78.4971



76.8785, 84.5617, 103.5332



85.5863, 84.5617, 95.4020

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.8260, 84.5617, 78.4971



69.8249, 71.7993, 91.8407

Split Complementary

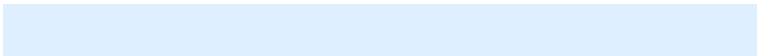
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2811, 84.5617, 102.6091



78.8260, 84.5617, 78.4971



79.2303, 84.5617, 107.4785

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



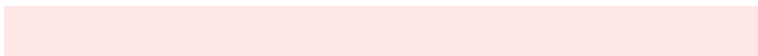
78.8260, 84.5617, 78.4971



75.4815, 84.5617, 96.6060



81.9408, 84.5617, 107.1310



85.4721, 84.5617, 87.6847

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8260, 84.5617, 78.4971



75.6422, 84.5617, 86.4155



81.9408, 84.5617, 107.1310



85.2978, 84.5617, 97.9728

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.8283, 84.5654, 78.4989



93.7270, 99.2859, 102.5033



73.4618, 73.6118, 77.3902



19.9875, 21.2111, 21.5833



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8283, 84.5654, 78.4989



90.4355, 97.4779, 86.6855



76.0113, 83.5446, 78.4504



17.0550, 18.3230, 16.7875



34.9815, 40.7611, 6.0240



2.9298, 3.4302, 0.5077

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



69.8249, 71.7993, 91.8407



77.5332, 79.1835, 105.8053



72.4732, 72.7802, 91.8905



14.9574, 15.3488, 19.8959



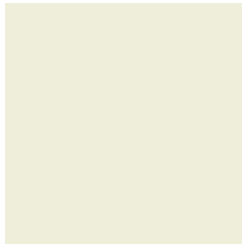
8.7043, 3.6329, 45.3703



0.7451, 0.3442, 3.7814

Previews

White Background



This preview shows how the XYZ color 78.8260, 84.5617, 78.4971 looks on a white background.

Color Contrast Check

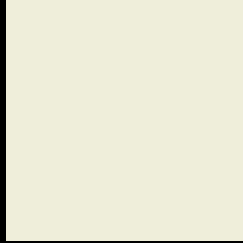
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 78.8260, 84.5617, 78.4971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

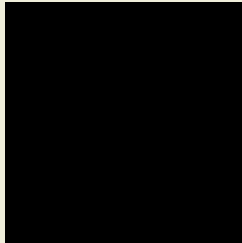
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

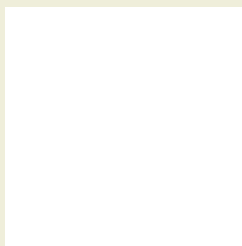
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.8260, 84.5617, 78.4971

Background



This preview shows how black text looks on a background with the XYZ color 78.8260, 84.5617, 78.4971.

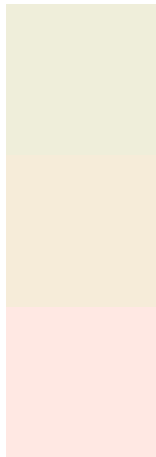


This preview shows how white text looks on a background with the XYZ color 78.8260, 84.5617,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.8260, 84.5617, 78.4971

Protanopia

80.5259, 84.5935, 77.7296

Deuteranopia

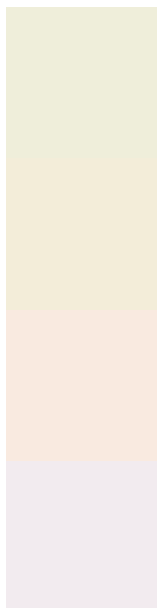
83.9617, 84.5193, 84.5616



Tritanopia

83.8597, 84.4760, 103.1524

Trichromacy



Original Color

78.8260, 84.5617, 78.4971

Protanomaly

79.7707, 84.6328, 77.7770

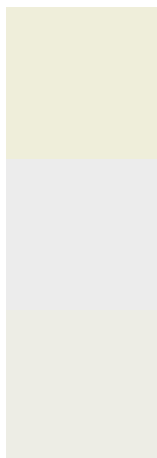
Deuteranomaly

81.9443, 84.3672, 82.4866

Tritanomaly

81.9063, 84.5259, 93.6596

Monochromacy



Original Color

78.8260, 84.5617, 78.4971

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.3521, 84.2300, 86.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8260, 84.5617, 78.4971 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(239, 238, 218) looks like.

```
.text, #text, p{  
    color:rgb(239, 238, 218)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(239, 238, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 238, 218) }
```

Border

The CSS property to change the border of an element to XYZ 78.8260, 84.5617, 78.4971 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(239, 238, 218) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(239, 238, 218) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(239, 238, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(239, 238,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8260, 84.5617, 78.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 238, 218) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(239,  
238, 218) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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